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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/896,096

DATE: 07/20/2001

TIME: 12:20:36

Input Set : N:\Crf3\RULE60\09896096.txt

Output Set: N:\CRF3\07202001\I896096.raw

```

3 <110> APPLICANT: ASHKENAZI, AVI J.
4     BOTSTEIN, DAVID
5     DODGE, KELLY H.
6     GURNEY, AUSTIN L.
7     KIM, KYUNG JIN
8     LAWRENCE, DAVID A.
9     PITTI, ROBERT
10    ROY, MARGARET A
11    TUMAS, DANIEL B
12    WOOD, WILLIAM I.
14 <120> TITLE OF INVENTION: Dcr3 Polypeptide, A TNFR Homolog
16 <130> FILE REFERENCE: P1134R2 REVISED
18 <140> CURRENT APPLICATION NUMBER: 09/896,096
19 <141> CURRENT FILING DATE: 2001-06-28
21 <150> PRIOR APPLICATION NUMBER: US 09/157,289
22 <151> PRIOR FILING DATE: 1998-09-18
24 <150> PRIOR APPLICATION NUMBER: US 60/059,288
25 <151> PRIOR FILING DATE: 1997-09-18
27 <150> PRIOR APPLICATION NUMBER: US 60/094,640
28 <151> PRIOR FILING DATE: 1998-07-30
30 <160> NUMBER OF SEQ ID NOS: 18
32 <210> SEQ ID NO: 1
33 <211> LENGTH: 300
34 <212> TYPE: PRT
35 <213> ORGANISM: Homo sapiens
37 <400> SEQUENCE: 1
38 Met Arg Ala Leu Glu Gly Pro Gly Leu Ser Leu Leu Cys Leu Val
39   1           5           10           15
41 Leu Ala Leu Pro Ala Leu Leu Pro Val Pro Ala Val Arg Gly Val
42           20           25           30
44 Ala Glu Thr Pro Thr Tyr Pro Trp Arg Asp Ala Glu Thr Gly Glu
45           35           40           45
47 Arg Leu Val Cys Ala Gln Cys Pro Pro Gly Thr Phe Val Gln Arg
48           50           55           60
50 Pro Cys Arg Arg Asp Ser Pro Thr Thr Cys Gly Pro Cys Pro Pro
51           65           70           75
53 Arg His Tyr Thr Gln Phe Trp Asn Tyr Leu Glu Arg Cys Arg Tyr
54           80           85           90
56 Cys Asn Val Leu Cys Gly Glu Arg Glu Glu Glu Ala Arg Ala Cys
57           95          100          105
59 His Ala Thr His Asn Arg Ala Cys Arg Cys Arg Thr Gly Phe Phe
60          110          115          120
62 Ala His Ala Gly Phe Cys Leu Glu His Ala Ser Cys Pro Pro Gly
63          125          130          135
65 Ala Gly Val Ile Ala Pro Gly Thr Pro Ser Gln Asn Thr Gln Cys
66          140          145          150
68 Gln Pro Cys Pro Pro Gly Thr Phe Ser Ala Ser Ser Ser Ser Ser

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```

69          155          160          165
71 Glu Gln Cys Gln Pro His Arg Asn Cys Thr Ala Leu Gly Leu Ala
72          170          175          180
74 Leu Asn Val Pro Gly Ser Ser Ser His Asp Thr Leu Cys Thr Ser
75          185          190          195
77 Cys Thr Gly Phe Pro Leu Ser Thr Arg Val Pro Gly Ala Glu Glu
78          200          205          210
80 Cys Glu Arg Ala Val Ile Asp Phe Val Ala Phe Gln Asp Ile Ser
81          215          220          225
83 Ile Lys Arg Leu Gln Arg Leu Leu Gln Ala Leu Glu Ala Pro Glu
84          230          235          240
86 Gly Trp Gly Pro Thr Pro Arg Ala Gly Arg Ala Ala Leu Gln Leu
87          245          250          255
89 Lys Leu Arg Arg Arg Leu Thr Glu Leu Leu Gly Ala Gln Asp Gly
90          260          265          270
92 Ala Leu Leu Val Arg Leu Leu Gln Ala Leu Arg Val Ala Arg Met
93          275          280          285
95 Pro Gly Leu Glu Arg Ser Val Arg Glu Arg Phe Leu Pro Val His
96          290          295          300
98 <210> SEQ ID NO: 2
99 <211> LENGTH: 1114
100 <212> TYPE: DNA
101 <213> ORGANISM: Homo sapiens
103 <220> FEATURE:
104 <221> NAME/KEY: Unsure
105 <222> LOCATION: 1090
106 <223> OTHER INFORMATION: Unknown base
108 <400> SEQUENCE: 2
109 tccgcaggcg gaccgggggc aaaggaggtg gcatgtcggt caggcacagc 50
111 agggctcctgt gtccgcgctg agccgcgctc tccctgctcc agcaaggacc 100
113 atgagggcgc tggagggggc aggcctgtcg ctgctgtgcc tgggtgttggc 150
115 gctgcctgcc ctgctgccgg tgccggctgt acgcggagtg gcagaaacac 200
117 ccacctaccc ctggcgggac gcagagacag gggagcggct ggtgtgcgcc 250
119 cagtgcctccc caggcacctt tgtgcagcgg ccgtgccgcc gagacagccc 300
121 cacgacgtgt ggcccgtgtc caccgcgcc aacacgcag ttctggaact 350
123 acctggagcg ctgccgttac tgcaacgtcc tctgcgggga gcgtgaggag 400
125 gaggcacggg cttgccacgc caccacaaac cgtgcctgcc gctgccgcac 450
127 cggcttcttc gcgcacgctg gtttctgctt ggagcacgca tcgtgtccac 500
129 ctggtgcccgg cgtgattgcc ccgggcaccc ccagccagaa cacgcagtgc 550
131 cagccgtgcc ccccaggcac cttctcagcc agcagctcca gctcagagca 600
133 gtgccagccc caccgcaact gcacggccct gggcctggcc ctcaatgtgc 650
135 caggtctctc ctcccatgac accctgtgca ccagctgcac tggcttcccc 700
137 ctcagcacca ggggtaccag agctgaggag tgtgagcgtg ccgtcatcga 750
139 ctttgtggct ttccaggaca tctccatcaa gaggtgcag cggctgctgc 800
141 aggccctcga ggccccggag ggctggggtc cgacaccaag ggccggccgc 850
143 gcggccttgc agctgaagct gcgtcgccgg ctcacggagc tcctgggggc 900
145 gcaggacggg gcgctgctgg tcggctgct gcaggcgtg cgcgtggcca 950
147 ggatgcccgg gctggagcgg agcgtccgtg agcgttccct ccctgtgcac 1000
149 tgatcctggc cccctcttat ttattctaca tccttggcac ccacttgca 1050

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Input Set : N:\Crif3\RULE60\09896096.txt

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```

W--> 151 ctgaaagagg ctttttttta aatagaagaa atgaggtttn ttaaaaaaaaa 1100
153 aaaaaaaaaa aaaa 1114
155 <210> SEQ ID NO: 3
156 <211> LENGTH: 491
157 <212> TYPE: DNA
158 <213> ORGANISM: Unknown
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Unknown organism
163 <220> FEATURE:
164 <221> NAME/KEY: unsure
165 <222> LOCATION: 62, 73, 86, 98
166 <223> OTHER INFORMATION: unknown base
168 <400> SEQUENCE: 3
169 gccgagacag ccccacgacg tgtggcccggt gtccaccgcg ccactacacg 50
W--> 171 cagttctgga antaactgga gcncctgccgc tactgnaacg tcctctgngg 100
173 ggagcgtgag gaggaggcac gggcttgcca cgccaccac aaccgtgcct 150
175 gccgctgcag caccggcttc ttgcgcacag ctggtttctg cttggagcac 200
177 gcatcgtgtc cacctggtgc cggcgtgatt gcccgggca ccccagcca 250
179 gaacacgcag tgccatagcg tgccccccag gcaccttctc agccagcagc 300
181 tccagctcag agcagtgccg gcccaccgc aactgcacgg ccctgggcct 350
183 ggccctcaat gtgccaggct ctctctccca tgacacctg tgcaccagct 400
185 gcactggctt cccctcagc accagggtac caggagctga ggagtgtgag 450
187 cgtgccgtca tcgactttgt ggccttcag gacatctcca t 491
189 <210> SEQ ID NO: 4
190 <211> LENGTH: 73
191 <212> TYPE: DNA
192 <213> ORGANISM: Unknown
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Unknown organism
197 <400> SEQUENCE: 4
198 gccgagacag ccccacgacg tgtggcccggt gtccaccgcg ccactacacg 50
200 cattctggaa ctacctggag cgc 73
202 <210> SEQ ID NO: 5
203 <211> LENGTH: 271
204 <212> TYPE: DNA
205 <213> ORGANISM: Unknown
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Unknown organism
210 <220> FEATURE:
211 <221> NAME/KEY: unsure
212 <222> LOCATION: 42, 62, 73, 86, 98, 106, 120, 122, 153, 167, 184, 220, 233
213 <223> OTHER INFORMATION: unknown base
215 <400> SEQUENCE: 5
W--> 216 gccgagacag ccccacgacg tgtggcccggt gtccaccgcg cnaactacacg 50
W--> 218 cagttctgga antaactgga gcncctgccgc tactgnaacg tcctctgngg 100
W--> 220 ggagcgtgag gaggaggcan gngcttgcca cgccaccac aaccgtgcct 150
W--> 222 gcnctgcag caccgnttc ttgcgcacag ctgntttctg cttggagcac 200
W--> 224 gcatcgtgtc cacctggtgn cggcgtgatt gcnccgggca ccccagcca 250
226 gaacacgcag gcaaagccgt g 271

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Input Set : N:\Crf3\RULE60\09896096.txt

Output Set : N:\CRF3\07202001\I896096.raw

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228 <210> SEQ ID NO: 6
229 <211> LENGTH: 201
230 <212> TYPE: DNA
231 <213> ORGANISM: Unknown
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Unknown organism
236 <220> FEATURE:
237 <221> NAME/KEY: unsure
238 <222> LOCATION: 182
239 <223> OTHER INFORMATION: unknown base
241 <400> SEQUENCE: 6
242 gcagttcttg aactacctgg agcgctgccg ctactgcaac gtccctctgcg 50
244 gggagcgtga ggaggaggca cgggcttgcc acgccacca caaccgtgcc 100
246 tgccgctgcc gcaccggctt cttcgcgcac gctggtttct gcttgagca 150
W--> 248 cgcacgtgt ccacctggtg ccggcgtgat tnccccgggc acccccagcc 200
250 a 201
252 <210> SEQ ID NO: 7
253 <211> LENGTH: 277
254 <212> TYPE: DNA
255 <213> ORGANISM: Unknown
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Unknown organism
260 <220> FEATURE:
261 <221> NAME/KEY: unsure
262 <222> LOCATION: 142
263 <223> OTHER INFORMATION: unknown base
265 <400> SEQUENCE: 7
266 gaggggcccc caggagtggg ggccggagggt gtggcagggg tcaggttgct 50
268 ggtcccagcc ttgcacctg agctaggaca ccagttcccc tgacctgtt 100
W--> 270 ctccctctct ggctgcaggc acccccagcc agaacacgca gnccagccgt 150
272 gccccccagg caccttctca gccagcagct ccagtcaga gcagtgccag 200
274 ccccaccgca actgcacggc cctgggctg gccctcaatg tgccaggctc 250
276 ttccctccat gacacctgt gcaccag 277
278 <210> SEQ ID NO: 8
279 <211> LENGTH: 199
280 <212> TYPE: DNA
281 <213> ORGANISM: Unknown
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Unknown organism
286 <400> SEQUENCE: 8
287 gcacgtgtc cacctggtgc cggcgtgatt gccccgggca ccccagcca 50
289 gaacacgcag gcctagccgt gccccccagg caccttctca gccagcagct 100
291 ccagtcaga gcagtgccag ccccaccgca actgcacggc cctgggcctg 150
293 gccctcaatg tgccaggctc ttccctccat gacacctgt gcaccagct 199
295 <210> SEQ ID NO: 9
296 <211> LENGTH: 226
297 <212> TYPE: DNA
298 <213> ORGANISM: Unknown
300 <220> FEATURE:

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Input Set : N:\Crf3\RULE60\09896096.txt

Output Set: N:\CRF3\07202001\I896096.raw

```

301 <223> OTHER INFORMATION: Unknown organism
303 <220> FEATURE:
304 <221> NAME/KEY: unsure
305 <222> LOCATION: 4, 9, 12, 165
306 <223> OTHER INFORMATION: unknown base
308 <400> SEQUENCE: 9
W--> 309 agcngtgcnc cncaggcacc ttctcagcca gcagttccag ctcagagcag 50
311 tgccagcccc accgcaactg cacggccctg ggccctggccc tcaatgtgcc 100
313 aggctcttcc tcccatgaca cgctgtgcac cagctgcaact ggcttcccc 150
W--> 315 tcagcaccag ggtancagga gctgaggagt gtgagcgtgc cgctcatcgac 200
317 tttgtggctt tccaggacat ctccat 226
319 <210> SEQ ID NO: 10
320 <211> LENGTH: 283
321 <212> TYPE: DNA
322 <213> ORGANISM: Homo sapiens
324 <220> FEATURE:
325 <221> NAME/KEY: Unsure
326 <222> LOCATION: 1-283
327 <223> OTHER INFORMATION: Unknown organism
329 <220> FEATURE:
330 <221> NAME/KEY: unsure
331 <222> LOCATION: 27, 64, 140
332 <223> OTHER INFORMATION: unknown base
334 <400> SEQUENCE: 10
W--> 335 cttgtccacc tgggtgccggc gtgattnccc gggcaccccc agccagaaca 50
W--> 337 cgcagtgccca gccntcccc caggcacctt ctcagccagc agctccagct 100
W--> 339 cagagcagtg ccagcccccac cgcaactgca acgccctggc ctggccctca 150
341 atgtgccagg ctcttctctc catgacaccc tgtgcaccag ctgcaactggc 200
343 ttccccctca gcaccagggt accaggagct gaggagtgtg agcgtgccgt 250
345 catcgacttt gtggctttcc aggacatctc cat 283
347 <210> SEQ ID NO: 11
348 <211> LENGTH: 21
349 <212> TYPE: DNA
350 <213> ORGANISM: Unknown
352 <220> FEATURE:
353 <223> OTHER INFORMATION: Unknown organism
355 <400> SEQUENCE: 11
356 cacgctgggt tctgcttgga g 21
358 <210> SEQ ID NO: 12
359 <211> LENGTH: 22
360 <212> TYPE: DNA
361 <213> ORGANISM: Unknown
363 <220> FEATURE:
364 <223> OTHER INFORMATION: Unknown organism
366 <400> SEQUENCE: 12
367 agctggtgca cagggtgtca tg 22
369 <210> SEQ ID NO: 13
370 <211> LENGTH: 53
371 <212> TYPE: DNA

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VERIFICATION SUMMARY

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Input Set : N:\Crif3\RULE60\09896096.txt

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L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10